IN THE CLAIMS

Upon entry of the present amendment, the status of the claims will be as is shown below. This listing of claims replaces all previous versions and listings of claims in the present application.

Claims 1-9. (Cancelled)

10. (New) A home server appliance configured to generate a random number when a manufacturer's serial number for a first client appliance operatively connected to a home network is equal to an identification of a second client appliance operatively connected to the home network, and to assign the random number as an identification of the first client appliance.

11. (New) The home server appliance of claim 10, further comprising:

a database configured to store the identification of the first client appliance and the identification of the second client appliance;

a random number generator configured to generate the random number when the manufacturer's serial number for the first client appliance is equal to the identification of the second client appliance as previously stored in the database; and

a microcomputer configured to access the database and the random number generator and to assign the random number as the identification of the first client appliance.

12. (New) The home server appliance of claim 10,

wherein the home server appliance is further configured to provide to the first client appliance based on the identification of the first client appliance a control command to control the first client appliance.

13. (New) The home server appliance of claim 12, further comprising:

a control command unit configured to receive the control command; and

a control result output unit configured to output control state information when the control state information is received from the first client appliance.

14. (New) The home server appliance of claim 10,

wherein a home server communication module is configured to convert a format of data communicated between the home server appliance and the home network.

15. (New) The home server appliance of claim 14, wherein the home server communication module comprises:

a memory configured to store address information of the home server appliance on the home network;

a modem configured to convert data to be communicated between the home server appliance and the home network into a format based on an appropriate protocol; and

a modem controller configured to control the modem.

16. (New) A first client appliance operatively connected to a home network, the first client appliance being configured to provide a manufacturer's serial number for the first client appliance to a home server appliance which is configured to generate and assign a random number as an identification of the first client appliance when the manufacturer's serial number

is equal to an identification of a second client appliance operatively connected to the home network.

17. (New) The first client appliance of claim 16,

wherein a client communication module is configured to convert a format of data to be communicated between the first client appliance and the home network.

18. (New) The first client appliance of claim 17, wherein the client communication module comprises:

a memory configured to store information of the identification of the first client appliance;

a modem configured to convert data to be communicated between the first client appliance and the home network into a format based on an appropriate protocol; and

a modem controller configured to control the modem.

19. (New) The first client appliance of claim 16,

wherein the first client appliance is further configured to receive from the home server appliance based on the identification of the first client appliance a control command to be controlled by the home server appliance.

20. (New) A method for controlling a home network system, comprising:

receiving at a home server appliance, from a first client appliance operatively connected to a home network, information of a manufacturer's serial number for the first client appliance;

generating a random number at the home server appliance when a manufacturer's serial number for the first client appliance is equal to an identification of a second client appliance operatively connected to the home network, and

assigning at the home server appliance the random number as an identification of the first client appliance.

21. (New) The method of claim 20, further comprising:

providing from the home server appliance to the first client appliance, using the identification of the first client appliance, a control command to control the first client appliance.

22. (New) The method of claim 20, further comprising:

providing from the home server appliance to the first client appliance an access signal, before receiving at the home server appliance from the first client appliance the information of the manufacturer's serial number.

23. (New) The method of claim 20, further comprising:

comparing at the home server appliance the manufacturer's serial number with the identification of the second client appliance;

when the manufacturer's serial number is equal to an identification of the second client appliance, generating the random number and assigning the random number as the identification of the first client appliance; and when the manufacturer's serial number is not equal to an identification of any other client appliance operatively connected to the home network, assigning the manufacturer's serial number as the identification of the first client appliance.

24. (New) The method of claim 21,

wherein the identification of the first client appliance is stored in a client communication modem operatively connected to the first client appliance.